Local Storm Reports - v2
Document Version 1.1

Domain Portfolio: Alerts | Domain: Alerts | Usage Classification: Standard

Geography: U.S. Only **Attribution Required:** No **Attribution Requirements:** Suggested to display 'bulletin_source' as provided.

Overview

Short text reports of observed severe weather such as wind or hail damage, snow depth that is parsed from NWS Local Storm Report (LSR) and Public Information Statement (PNS) bulletins. The reports are ranked and prioritized by TWC upon receipt from the NWS.

HTTP Headers and Data Lifetime - Caching and Expiration

For details on appropriate header values as well as caching and expiration definitions, please see **The Weather Company Data | API Common Usage Guide**.

URL Construction

Atomic API URL Examples:	
Request All Storm Reports: Required Parameters: format https://api.weather.com/v2/stormreports?format=<json or xml>&**apiKey=yourApiKey**	**Aggregate Product Name**
https://api.weather.com/v2/stormreports?format=json&apiKey=**yourApiKey**	v2stormReports
Request All Storm Reports: Required Parameters: format, next Within the metadata section of the response there is a field named 'next_batch'; if next_batch equals null the user has received all the data and is done. If next_batch is not null the user will make an additional call - the 'next' parameter will be set equal to the value found in 'next_batch'. Keep calling the API until next_batch equals null. https://api.weather.com/v2/stormreports?format=<json or xml>&**next=<next_batch>**&**apiKey=yourApiKey**	**Aggregate Product Name**
https://api.weather.com/v2/stormreports?format=json&**next=1461720061**&apiKey=**yourApiKey**	v2stormReports
Request Storm Reports By County: Required Parameters: geoId, format https://api.weather.com/v2/stormreports?**geoId=GAC121**&format=<json or xml>&**apiKey=yourApiKey**	**Aggregate Product Name**
https://api.weather.com/v2/stormreports?geoId=GAC121&format=json&apiKey=**yourApiKey**	v2stormReports

Data Elements & Definitions

Field Name	Description	Type	Range	Sample	Nulls Allowed	Usage
class	Sun class identifier	string	In lowercase	stormreports	N	display as provided
key	Unique identifier for a record	string	N/A	0aca7cb03f192d5efc100fdd7ca9e6b1	N	display as provided

geo_id	County ID or Zone ID	string	Any valid county id or zone id	GAC028	Y	display as provided
geo_type	Geography type	string	C = county, Z = zone	C	N	display as provided
state_code	Any Valid State Abbreviation	string	Any valid state code	GA	N	display as provided
geo_name	County or Zone Name	string	Any valid county or zone name	Paulding	Y	display as provided
location	Place name for the storm report	string	Unlimited	Dallas	N	display as provided
region	Region as reported by the NWSev	string	MW, NE, SE, WE, AK, CARIB, HI, PAC, WSTPAC	SE	N	display as provided
datetime_local	Date and time of the sensor report	iso	N/A	2015-09-29T00:00:00	N	display as provided
timezone	Time zone abbreviation for datetime_local	string	Any valid time zone abbreviation	EDT	N	display as provided
iana_code	IANA time code	string	America/New_York		N	display as provided
datetime_gmt	Day time string in unix seconds UTC	integer	Unlimited	1252902300	N	display as provided
latitude	Latitude	decimal	Unlimited	33.79	N	display as provided
longitude	Longitude	decimal	Unlimited	-84.37	N	display as provided
nws_office	Code for office that generated the report	string	Any valid NWS office code	KATL	N	display as provided
magnitude	Magnitude of the event - can be decimal, integer or null	string	Unlimited	10.2	Y	display as provided
magnitude_desg	Method used to determine magnitude	string	U = unknown, M = measured, E = estimated, P = up to, null	M	Y	display as provided
magnitude_units	Unit of measure for magnitude	string	inches = inches, MPH = mph, null	INCHES	Y	display as provided
event_class	Class for the event. Class types include: RAINFALL, WINTER, SEVERE, FLOODING, NON THUNDERSTORM WINDS, DROUGHT, DENSE FOG, TROPICAL, OTHER (e.g. unrecognized or misspelled class type).	string	See Appendix: Event Types	SEVERE	N	display as provided
event_class_id	ID of the event class. Unique code for each Event Class. Included to provide flexibility in filtering logistics.	string	See Appendix: Event Types	SVR	N	display as provided
event_type	Type for the event. Displayable name for a kind of event.	string	See Appendix: Event Types	HAIL	N	display as provided
event_type_id	ID for the event type. Unique code for each Event Type. Included to provide flexibility filtering logistics.	string	See Appendix: Event Types	HAI	N	display as provided
bulletin_type	Type of bulletin data was extracted from	string	LSR = local storm report, PNS = public service notice	LSR	N	display as provided
bulletin_source	Source of the bulletin	string	NWS	NWS	N	display as provided
comments	Storm report comments	string	Unlimited	NUMEROUS ROADS IN EASTERN ROCKDALE COUNTY CLOSED DUE TO HIGH WATER.	Y	display as provided
severity	Relative severity of the event	integer	1 = lowest, 10 = highest	10	N	display as provided
sorted_by_time	Data sorted by time, severity, amt_group_id (excluding 99), dma_rank, and population in ascending order	string		9854382249992019399900989926533O	N	display as provided
sorted_by_severity	Data sorted by severity, amt_group_id (excluding 99), dma_rank, time, and population in ascending order	string		9201939990098985438224999926533O	N	display as provided
dma	DMA code for the location	string	0 to 999 or alpha	8	Y	display as provided
dma_rank	Rank of the dma	integer	0 to 999	20	Y	display as provided
population	Population for the county	integer	0 to 99999999	155000	Y	display as provided
source	Source of the report	string	Unlimited	SPOTTER	Y	display as provided
process_time_gmt	Unix time processed by the Sun	epoch	N/A	1443554828	N	display as provided

expire_time_gmt	Expiration time	epoch	N/A	1380170106	N	display as provided

JSON Sample


```
{
        metadata: {
        language: "en-US",
        transaction_id: "1461163881870:1585859798",
        version: "2",
        geoId: null,
        expire_time_gmt: 1461185481,
        status_code: 200
},
        stormreports: [
{
        key: "5997edcc8f3a8b4f43e727245a50110f",
        geo_id: "COC029",
        geo_type: "C",
        state_code: "CO",
        geo_name: "DELTA COUNTY",
        location: "PARK RSVR",
        region: "WE",
        datetime_local: "2016-03-15T09:00:00",
        timezone: "MDT",
        iana_code: "America/Denver",
        datetime_gmt: 1458054000,
        latitude: 39.04667,
        longitude: -107.875,
        nws_office: "KGJT",
        magnitude: "3.0",
        magnitude_desg: "M",
        magnitude_units: "INCHES",
        event_class: "WINTER",
        event_class_id: "WIN",
        event_type: "24 HOUR SNOWFALL",
        event_type_id: "S24",
        bulletin_type: "PNS",
        bulletin_source: "NWS",
        comments: null,
        severity: 3,
        sorted_by_time: "985419675999605996990016999696665",
        sorted_by_severity: "960599699001698541967599999696665",
        dma: "751",
        dma_rank: 16,
        population: 30334,
        source: "SPOTTER",
        process_time_gmt: 1461092370,
        expire_time_gmt: 1461437970
},
]
```

```
}
```

Appendix: Event Types

EVENT_CLASS	EVENT_TYPE	EVENT_TYPE_ID	EVENT_CLASS_ID
DENSE FOG	DENSE FOG	DFG	DFG
DROUGHT	BLOWING DUST	BDU	DRG
DROUGHT	DROUGHT	DRO	DRG
DROUGHT	DUST STORM	DUS	DRG
DROUGHT	WILDFIRE	WLD	DRG
FLOODING	DEBRIS FLOW	DFL	FLD
FLOODING	FLASH FLOOD	FLA	FLD
FLOODING	FLOOD	FLO	FLD
FLOODING	ICE JAM FLOODING	IJF	FLD
FLOODING	LANDSLIDE	LAN	FLD
NON-THUNDERSTORM WINDS	HIGH SUST WINDS	NWG	NTW
NON-THUNDERSTORM WINDS	HIGH SUSTAINED WINDS	HSW	NTW
NON-THUNDERSTORM WINDS	NON-THUNDERSTORM WIND DAMAGE	NWD	NTW
NON-THUNDERSTORM WINDS	NON-THUNDERSTORM WIND GUST	NWG	NTW
NON-THUNDERSTORM WINDS	NON-TSTM WIND DAMAGE	NWD	NTW
OTHER	SEICHE	SEI	TRO
RAINFALL	1 HOUR RAINFALL	R01	RAI
RAINFALL	12 HOUR RAINFALL	R12	RAI
RAINFALL	24 HOUR RAINFALL	R24	RAI
RAINFALL	48 HOUR RAINFALL	R48	RAI
RAINFALL	6 HOUR RAINFALL	R06	RAI
RAINFALL	HEAVY RAIN	HVR	RAI
RAINFALL	STORM TOTAL RAINFALL	RTO	RAI
SEVERE	DOWNBURST	DWN	SVR
SEVERE	FUNNEL CLOUD	FUN	SVR
SEVERE	HAIL	HAI	SVR
SEVERE	LANDSPOUT	TOR	SVR
SEVERE	LIGHTNING	LGT	SVR
SEVERE	THUNDERSTORM WIND DAMAGE	TWD	SVR

SEVERE	THUNDERSTORM WIND GUST	TWG	SVR
SEVERE	TORNADO	TOR	SVR
SEVERE	WALL CLOUD	WAL	SVR
SEVERE	WATERSPOUT	WAT	SVR
TEMPERATURE	EXTREME COLD	EXC	TMP
TEMPERATURE	EXTREME HEAT	EXH	TMP
TEMPERATURE	WIND CHILL	WCH	TMP
TROPICAL	COASTAL FLOOD	CFL	TRO
TROPICAL	HIGH SURF	HSF	TRO
TROPICAL	LAKESHORE FLOOD	LFL	TRO
TROPICAL	MISC MRN/SRF HZ	MIS	TRO
TROPICAL	RIP CURRENTS	RCT	TRO
TROPICAL	SNEAKER WAVE	SWA	TRO
TROPICAL	STORM SURGE	SUR	TRO
TROPICAL	TROPICAL CYCLONE	HUR	TRO
TROPICAL	TSUNAMI	TSU	TRO
VOLCANO	VOG	VOG	VOL
VOLCANO	VOLCANIC ASHFALL	VAF	VOL
WINTER	1 HOUR SNOWFALL	S01	WIN
WINTER	12 HOUR SNOWFALL	S12	WIN
WINTER	24 HOUR SNOWFALL	S24	WIN
WINTER	48 HOUR SNOWFALL	S48	WIN
WINTER	6 HOUR SNOWFALL	S06	WIN
WINTER	AVALANCHE	AVA	WIN
WINTER	BLIZZARD	BLZ	WIN
WINTER	FREEZING RAIN	FZR	WIN
WINTER	HEAVY SNOW	HVS	WIN
WINTER	ICE JAM	IJA	WIN
WINTER	SLEET	SLE	WIN
WINTER	SNOW	SNO	WIN
WINTER	SNOW ON GROUND	SNG	WIN
WINTER	SNOW SQUALL	SSQ	WIN
WINTER	SNOW/ICE DAMAGE	SID	WIN

WINTER	STORM TOTAL SNOWFALL	STO	WIN